

MILLER CONSTRUCTION, INC.

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TRANSMITTAL

TO: Kristin Higgins Vermont Agency of Transportation	DATE	PROJECT NO.
	6/5/2014	Jamaica ER-BRF 015-1 (23)

XX

WE ENCLOSE THE FOLLOWING:

UNDER SEPARATE COVER WE ARE SENDING THE FOLLOWING

COPIES	NUMBER	DESCRIPTION	CODE
1		Precast Box Erection Plan Submittal	H

CODE:

A FOR INITIAL APPROVAL

B FOR FINAL APPROVAL

C APPROVED AS NOTED-RESUBMISSION REQUIRED

D APPROVED AS NOTED-RESUBMISSION NOT REQUIRED

E DISAPPROVED-RESUBMIT

F QUOTATION REQUESTED

G APPROVED

H FOR APPROVAL

I AS REQUESTED OR REQUIRED

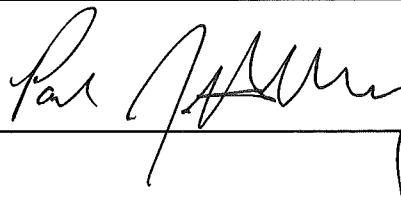
J FOR USE IN ERECTION

K LETTER FOLLOWS

L FOR FIELD CHECK

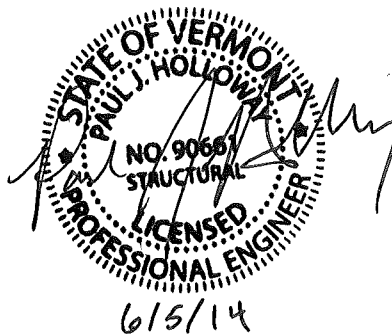
M FOR YOUR USE

BY:



***ERECTION PLAN
Box Culvert
for
State of Vermont Project: Jamaica ER BRF 015-1 (23)***

***Town of: Jamaica, Vermont
County of: Windham***



Prepared By:

Miller Construction, Inc.
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June 5, 2014

***ERECTION PLAN
FOR
State of Vermont Project: Jamaica ER BRF 015-1 (23)***

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Erection Plan
Jamaica ER BRF 015-1 (23)

General Project Description and Timetable

The Jamaica ER-BRF 015-1 (23) project involves the replacement of an existing box culvert. The new precast concrete box culvert will be approximately 85 feet in length.

Erection Precast Box is anticipated to occur in June / July 2014.

Abstract

Miller Construction, Inc. shall install the precast box and wingwall units being picked from locations as shown on Michie Corporation approved shop drawings. The crane used shall be a Grove GMK 5120B.

Rigging

Rigging used shall include Endless Round Slings with rated vertical lifting capacities from 40,000 lbs. to 66,000 lbs. (see Attachment 5). 20 Ton Crosby type Screw Pin Shackles shall be utilized at precast connection points.

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Crane lift worksheet

Crane # 5

CUSTOMER Bazin Bros.

JOB Jamaica ER BRF 015-1 (23) - Box Sections

Amount of equipment weight 40,500#

Weight of Ball

Weight of Block

Weight of Spreader

Weight of Rigging

Weight of Jib Erected

Weight of Jib Stowed

Weight of Aux Head

Weight of Misc

TOTAL WEIGHT

CHART 48,000# @ 50 Ft.

WORK SITE RADIUS 36 Ft. - 50 Ft.



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Crane lift worksheet

Crane # 5

CUSTOMER Bazin Bros.

JOB Jamaica ER BRF 015-1 (23) - WW Sections

Amount of equipment weight 26,380#

Weight of Ball

Weight of Block 700#

Weight of Spreader

Weight of Rigging 500#

Weight of Jib Erected

Weight of Jib Stowed 1,320#

Weight of Aux Head 100#


Weight of Misc

TOTAL WEIGHT 29,000#

CHART 32,000# @ 65 Ft.

WORK SITE RADIUS 50 Ft. - 65 Ft.

Jamaica Box Culvert Weights

Box Sec	Quantity	Weight	Radius
BC-1	1	38,560	44'
BC-2	1	40,500	45'
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
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BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	
BC-2	1	40,500	45'
BC-3	1	38,560	34'

W/W Sec

WW4A	1	25,750	29'
WW4B	1	25,520	31'
WW4C	1	26,380	65'
WW3A	1	34,120	32'
WW3B	1	32,150	36'
WW2A	1	23,800	58'
WW2B	1	12,770	65'
WW2C	1	11,590	70'
WW2D	1	9,620	75'
WW1A	1	24,070	38'
WW1B	1	22,725	31'

Cut off wall 2 5,500

W/W Ftg 3

WW2	1	14,000
WW2	2	9,800
WW2	1	7,000

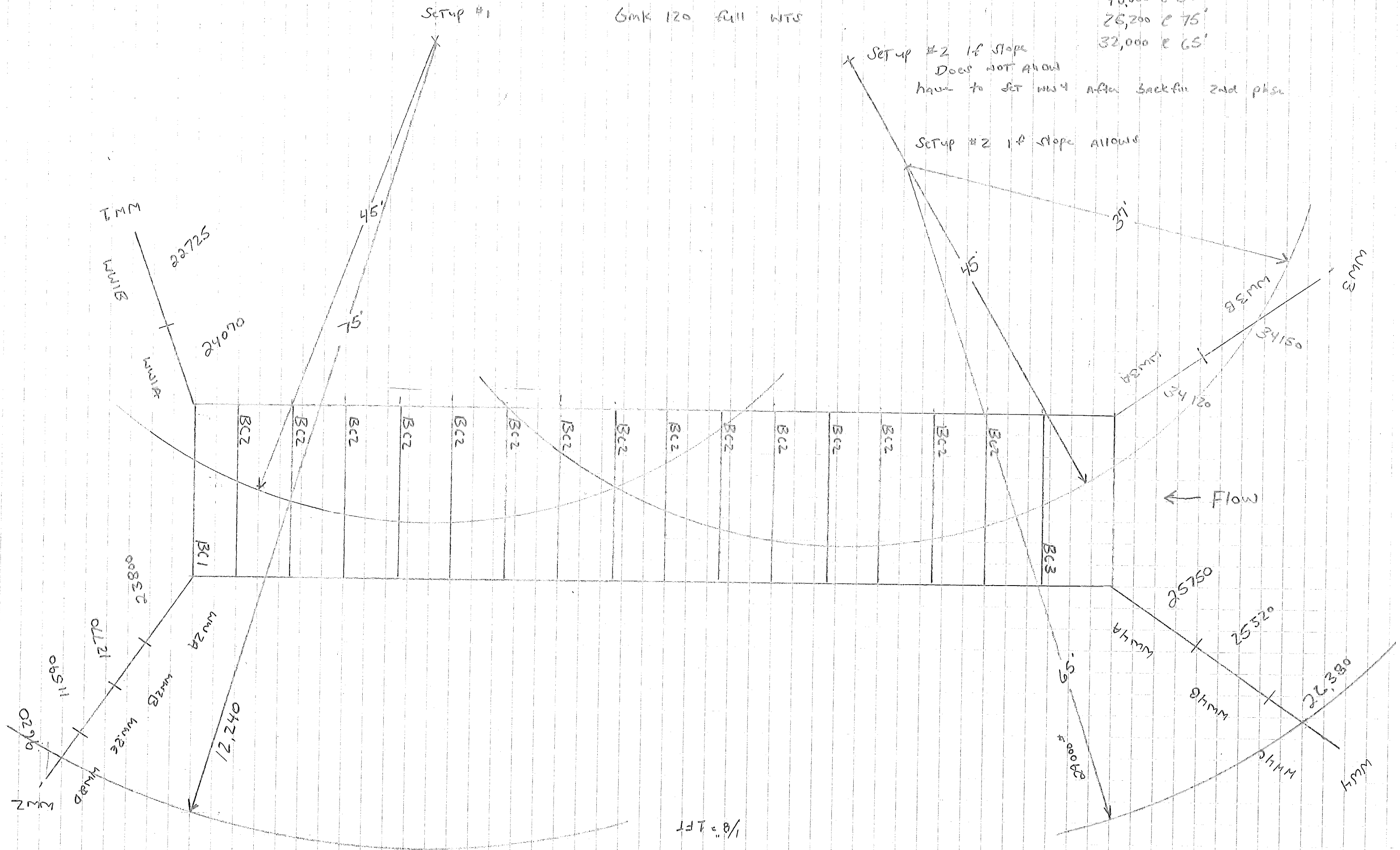
WW1/3/4	3	14,935
WW1/3/4	1	9,325
WW1/3/4	1	6,430

Fire Station

48,000 @ 50'
26,200 @ 75'
32,000 @ 65'

X Set up #2 1/2 slope 32,000 E 65
 Does not allow
 have to set new 4 after backfill 2nd phase

Setup #2 if rope allowed





www.liftex.com
(800) 299-0900

ENDLESS ROUNDSLING CAPACITY CHART

		Part Number	Vertical	Choker	Basket	Minimum Length	Approx. Diameter	Approx. WT / FT
**	PURPLE	ENR1	2600	2100	5200	3'	.625"	0.3 LB
	GREEN	ENR2	5300	4200	10600	3'	.875"	0.4 LB
		ENR3	8400	6700	16800	3'	1.125"	0.5 LB
		ENR4	10600	8500	21200	3'	1.125"	0.6 LB
	RED	ENR5	13200	10600	26400	3'	1.375"	0.8 LB
	WHITE	ENR6	16800	13400	33600	6'	1.375"	0.9 LB
	BLUE	ENR7	21200	17000	42400	6'	1.625"	1.3 LB
	ORANGE	ENR8	25000	20000	50000	6'	1.750"	1.6 LB
	ORANGE	ENR9	31000	24800	62000	6'	2.125"	2.0 LB
	ORANGE	ENR10	40000	32000	80000	6'	2.350"	2.6 LB
	ORANGE	ENR11	53000	42400	106000	8'	3.150"	3.4 LB
	ORANGE	ENR12	66000	52800	132000	8'	3.950"	4.3 LB
	ORANGE	ENR13	90000	72000	180000	8'	4.800"	5.9 LB

*Before ordering slings that are going to be used in a chemically active environment, contact Liftex® Customer Service, to recommend the right sling for the right usage.

Chemically Active Environments can affect the strength of webbing slings in varying degrees, ranging from little to total degradation.

